

## **Institutional Animal Care and Use Committee**

### **Instructions for Personnel to Access the AALAS Learning Library:**

1. Please go to <http://www.aalaslearninglibrary.org/>
2. On the home page, click "Enroll Now".
3. Select "Join a Group".
4. Enter the access code "loyolastitch070107".
5. Choose a username and password; please keep a record of this login for later use.
6. Enter the contact information requested. Please make sure that your e-mail address ([username@luc.edu](mailto:username@luc.edu)) is correct.
7. When enrollment is complete, select the **Loyola University Chicago Stitch School of Medicine Courses**.
8. Select the track (topic) which best matches your course topic.  
Example: The course "Working with the IACUC non-VA version" is found in the "Compliance and IACUC Training" sub-track.
9. Please note: If in the future you need to be provided with your username and password, please use the "forgot username or password?" link, which is adjacent to the login area. This utility emails you your username and password.

**Please print your certificate or transcript and fax to X-69399 and/or send to us via e-mail to [avalero@luc.edu](mailto:avalero@luc.edu) or [Pyoung4@luc.edu](mailto:Pyoung4@luc.edu).**

Loyola IACUC requires staff to recertify every three (3) years.  
The Hines/JALFHCC VA IACUC Meeting requires staff to recertify every two (2) years.

### **Required levels of training:**

All individuals listed on a protocol, including those without animal contact, including the PI and Co-PIs require:

- 1) Basic Training
- 2) Occupational Health.

All individuals with animal contact ALSO require:

- 3) Species Specific Training
- 4) Anesthesia/Analgesics Training where applicable
- 5) Surgical Training where applicable
- 6) Post-Procedure Care where applicable

Euthanasia experience needs to be listed in the ACORP.

**Courses are under the *Loyola University Chicago Stritch School of Medicine Courses* track:**

**Basic Training:**

The courses are under the **Compliance and IACUC Training** sub-track.

**(Select one)**

- Working with the IACUC: VA version
- Working with the IACUC: non-VA version

**Species Specific Training:**

The courses are under the **Species Specific** sub-track.

**(Select species)**

- Introduction to **Mice**
- Introduction to **Rats**
- Introduction to **Rabbits**
- Introduction to **Guinea Pigs**
- Introduction to **Hamsters**
- Introduction to **Gerbils**
- Introduction to **Dogs**
- Introduction to **Cats**
- Introduction to **Swine**
- Introduction to **Nonhuman Primates**
- Introduction to **Amphibians**
- Working with Laboratory **Zebrafish**

**Anesthesia/Analgesia Training:**

The courses are under the **Anesthesia, Analgesia, and Surgery** sub-track.

**(Select one)**

- Pain Recognition and Alleviation in Laboratory Animals
- Inhalation Anesthesia Systems for Rodents

**Surgery I Training:**

The course is under the **Anesthesia, Analgesia, and Surgery** sub-track.

- Aseptic Technique for Rodent Survival Surgery

**Post-Procedure Care Training:**

The courses are under the **Anesthesia, Analgesia, and Surgery** sub-track.

**(Select one)**

- Post-Procedure Care of Mice and Rats in Research: Minimizing Pain and Distress
- Pain Recognition and Alleviation in Laboratory Animals

## **Occupational Health Training:**

The courses are under the **US Mandates and Guidelines** sub-track.

### **(Select one)**

- Occupational Health and Safety in the Care and Use of Research Animals
- Orientation to Biosafety in Microbiological and Biomedical Laboratories, 5th Edition

## **Complete courses list:**

- ☐ JAALAS CEU Tests
  - May 2014 JAALAS Test Questions
  - July 2014 JAALAS Test Questions
- ☐ AALAS Certification Preparation
  - Taking an AALAS Technician Certification Examination
  - CMAR: Preparing for the Animal Resources Exam
  - Study Skills
  - Study and Test-Taking Skills
- ☐ Working with Animals
  - Learning about Frogs: Introduction
  - Learning about Frogs: Advanced
  - Caring for Animals in the Classroom
- ☐ Animal Biosafety Concepts
  - Occupational Health and Animal Biosafety
  - Biocontainment Equipment
  - Animal Facility Designs for Biocontainment
  - Animal Biosafety Risk Assessment and Management
  - Working Safely with Laboratory Animals in Biocontainment
  - Institutional Responsibilities and Animal Biosafety
  - Microbiological Decontamination in Biocontainment
  - Concepts and Practices of Animal Biosafety: ABSL-2 and ABSL-3
  - AALAS Animal Biosafety Training Program Introduction
  - Incident Planning and Response within the Animal Biocontainment Facility
  - Biosecurity in Animal Biocontainment Facilities
  - Select Agents and Toxins Regulations
- ☐ Human Research Protections
  - Protecting Human Research Participants (Biomedical)
- ☐ Exploring Laboratory Animal Science
  - Careers for Laboratory Animal Technicians

Careers for Laboratory Animal Veterinarians  
Introduction to Laboratory Animal Science

- ▣ ALAT Courses: 2009 ALAT Training Manual
  - ALAT 01: Field of Laboratory Animal Science (2009)
  - ALAT 02: The Animal Research Environment (2009)
  - ALAT 03: Facility Security and Emergencies (2009)
  - ALAT 04: Occupational Health and Safety (2009)
  - ALAT 05: Facility Equipment (2009)
  - ALAT 06: Caging Systems (2009)
  - ALAT 07: Laboratory Animal Environment (2009)
  - ALAT 08: Housekeeping Tasks and Contamination Control in the Animal Facility (2009)
  - ALAT 09: Feed and Nutrition (2009)
  - ALAT 10: Husbandry (2009)
  - ALAT 11: Animal Procurement and Quarantine (2009)
  - ALAT 12: Medications (2009)
  - ALAT 13: Colony Health Surveillance (2009)
  - ALAT 14: Euthanasia (2009)
  - ALAT 15: Introduction to Science and Metrics (2009)
  - ALAT 16: Experimental Design and Methodology (2009)
  - ALAT 17: Heredity and Breeding (2009)
  - ALAT 18: Mice (2009)
  - ALAT 19: Rats (2009)
  - ALAT 20: Hamsters (2009)
  - ALAT 21: Gerbils (2009)
  - ALAT 22: Guinea Pigs (2009)
  - ALAT 23: Rabbits (2009)
  - ALAT 24: Cats (2009)
  - ALAT 25: Dogs (2009)
  - ALAT 26: Swine (2009)
  - ALAT 27: Ruminants (2009)
  - ALAT 28: Nonhuman Primates (2009)
  - ALAT 29: Birds (2009)
  - ALAT 30: Amphibians (2009)
  - ALAT 31: Fish (2009)
  - ALAT 32: Less Common Research Animals (2009)
- ALAT Training Manual: Unit 1 Review Exam (ALAT 01-04) (2009)
- ALAT Training Manual: Unit 2 Review Exam (ALAT 05-10)
- ALAT Training Manual: Unit 3 Review Exam (ALAT 11-14) (2009)
- ALAT Training Manual: Unit 4 Review Exam (ALAT 15-17)
- ALAT Training Manual: Unit 5 Review Exam (ALAT 18-32) (2009)
- ALAT Training Manual Review: Final Review Exam (ALAT 01-32) (2009)

- ▣ Animal Biosafety Species-Specific
  - Working Safely with Nonhuman Primates in Biocontainment
  - Working Safely with Rabbits and Ferrets in Biocontainment
  - Working Safely with Ungulates in Biocontainment
  - Working Safely with Rodents in Biocontainment
  
- ▣ Anesthesia, Analgesia, and Surgery
  - Post-Procedure Care of Mice and Rats in Research: Minimizing Pain and Distress
  - Pain Recognition and Alleviation in Laboratory Animals
  - Aseptic Technique for Rodent Survival Surgery
  - Inhalation Anesthesia Systems for Rodents
  - Small Ruminant Anesthesia and Intra-operative Monitoring
  
- ▣ Animal Health and Wellbeing
  - Introduction to Laboratory Animal Medicine
  - Laboratory Animal Nutrition
  - Environmental Enrichment for Laboratory Animals
  
- ▣ Bioethics
  - Ethical Decision-Making in Animal Research
  - Ethical Case 1: Mouse in a Parasitology Experiment
  - Ethical Case 2: Rat with Partial Paralysis
  
- ▣ Biosecurity
  - Introduction to VA Biosecurity Concepts
  - Laboratory Biosecurity
  
- ▣ Conversions and Calculations
  - Fractions and Percentages and Decimals
  - Dose Calculations: Basic
  - Basic Metrics for the Laboratory Animal Facility
  - Design and Statistical Analysis of Laboratory Animal Studies
  
- ▣ Compliance and IACUC Training
  - Working with the IACUC: VA version
  - Working with the IACUC: non-VA version
  - Essentials for IACUC Members
  - Semiannual Facility Inspection
  - Maintaining Animal Procedure Areas
  - Avoiding Financial Conflict of Interest in Federal Research
  - Common Compliance Issues
  - Post-Approval Monitoring

Refresher: Working with the IACUC (non-VA version)

- ▣ Facilities, Supplies, and Materials
  - Selection of Cage Cleaner Products - Chemistry Driven
  - Syringes and Needles
  - Watering Systems
  - Microbiological Decontamination Principles and Chemical Disinfectants
  - Aquatic Animal Husbandry and Management
  - Personal Protective Equipment for Working in a Laboratory Animal Facility
  
- ▣ LAT Courses: 2012 LAT Training Manual
  - LAT 01: Overview of Scientific Research
  - LAT 02: Policies, Guidelines and Regulations in Animal Research
  - LAT 04: Administrative Responsibilities
  - LAT 06: The Aquatic Environment
  - LAT 05: Laboratory Animal Facility Design and Environmental Management
  - LAT 03: Ethics in Animal Research
  - LAT 07: Anatomy and Physiology
  - LAT 08: Genetics and Breeding Colony Management
  - LAT 09: Calculations and Conversions
  - LAT 10: Common Technical Procedures
  - LAT 11: Research Methodology
  - LAT 12: Surgical Instruments and Materials
  - LAT 13: Aseptic Technique, Surgical Support, and Anesthesia
  - LAT 14: Diseases and Health Conditions
  - LAT 15: Emergency Situations
  - LAT Training Manual: Unit 1 Review Exam (LAT 01-04)
  - LAT Training Manual: Unit 2 Review Exam (LAT 05-06)
  - LAT Training Manual: Unit 3 Review Exam (LAT 07-09)
  - LAT Training Manual: Unit 4 Review Exam (LAT 10-13)
  - LAT Training Manual: Unit 5 Review Exam (LAT 14-15)
  - LAT Training Manual: Final Review Exam (LAT 01-15)
  
- ▣ LATG Courses: 2007 LATG Training Manual
  - LATG 01: Personnel Management (2007)
  - LATG 03: Facility Security and Disaster Planning (2007)
  - LATG 02: Facility Management (2007)
  - LATG 04: Regulations (2007)
  - LATG 05: Health Surveillance and Quality Assurance (2007)
  - LATG 06: Occupational Health and Safety (2007)
  - LATG 07: Introduction to Organic Chemistry and Biochemistry (2007)
  - LATG 08: Molecular Biology (2007)
  - LATG 09: Immunology (2007)

LATG 10: Genetic Engineering (2007)  
LATG 11: Gnotobiotics (2007)  
LATG 12: Agents of Infectious Disease (2007)  
LATG 13: Common Diseases of Laboratory Animals (2007)  
LATG 14: Diagnostic Techniques (2007)  
LATG 15: Pharmacology (2007)  
LATG 16: Anesthesia and Analgesia (2007)  
LATG 17: Experimental Design and Data Handling (2007)  
LATG Training Manual: Final Review Exam (2007)  
LATG Training Manual: Unit 1 Review Exam (/LATG 1-6 2007)  
LATG Training Manual: Unit 2 Review Exam (/LATG 7-11 2007)  
LATG Training Manual: Unit 3 and 4 Review Exam (LATG 12-17 2007)

▣ Management and Training

Writing Multiple Choice Questions  
Workplace Training  
Active Listening  
Team Building  
Time Management and Goal Setting  
Communicating with the Non-Native English Speaker  
Delegation and Empowerment  
Reaching Out to the Public: A How to Guide

▣ Occupational Health and Safety

Video: Working Safely with Nonhuman Primates  
Health Risks and Safety Procedures for Working with Nonhuman Primates  
Ergonomics for Animal Technicians: Working Smart  
Introduction to Ergonomics in the Laboratory Animal Facility  
Bloodborne Pathogens Training for Animal Research  
Laboratory Animal Allergy

▣ Species-Specific

CD: Working with the Laboratory Dog (practice questions)  
Introduction to Gerbils  
Introduction to Hamsters  
Introduction to Rabbits  
Introduction to Guinea Pigs  
Introduction to Mice  
Introduction to Rats  
Introduction to Dogs  
Introduction to Cats  
Video: Working With the Laboratory Dog  
Working with the Laboratory Mouse

Mouse Breeding Colony Management  
Genetically Engineered Mice: Approaches for Evaluating the Phenotype  
Genetically Engineered Mice: Overview of Transgenesis and Conditional Control  
Genetically Engineered Mice: Historical Perspectives  
Introduction to Swine  
Introduction to Nonhuman Primates  
Working with the Laboratory Dog: The Basics  
Working with the Laboratory Rat  
Working with the Laboratory Dog: Venous Catheterization  
Working with the Laboratory Dog: Urinary Catheterization  
Working with the Laboratory Dog: Endotracheal Intubation  
Working with the Laboratory Dog: Injections and Blood Collection  
Introduction to Amphibians  
Working with Laboratory Zebrafish  
Working with the Laboratory Ferret  
Introduction to Ferrets  
Introduction to Sheep and Goats  
Working with Laboratory Xenopus  
Working with Poultry in the Laboratory  
Introduction to Fish  
Introduction to Wildlife

☐ US Mandates and Guidelines

Animal Welfare Act Regulations  
Public Health Service Policy on Humane Care and Use of Laboratory Animals  
Good Laboratory Practice Regulations  
Euthanasia of Research Animals: AVMA Guidelines  
Occupational Health and Safety in the Care and Use of Research Animals  
Orientation to Biosafety in Microbiological and Biomedical Laboratories, 5th Edition  
Working with Controlled Substances  
8th Edition of the Guide for the Care and Use of Laboratory Animals (2011)  
AVMA Guidelines for the Euthanasia of Animals: 2013 Edition